(c) whether Government have received any proposal from retired scientists to undertake a survey on the subject, if *so,* the action taken thereon ?

THE MINISTER OF STATE IX THE MINISTRY OF SCIENCE AND TECHNOLOGY, DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R, KUMARAMANGALAM) : (a) Yes, Sir ; a study has been conducted by the Technology Information, Forecast'ng and Assessment Council (TIFAC), Department of Science and Technology, New Delhi through a Consultant Organisation. The current market size in India is estimated to be about Rs. 20 crores.

(b) The major areas of application of enzymes are for the manufacture of 6 amino pencillanic acid, dextrose mono-hydrate, dextrose anhydrous, therapeutic digestive eneymes, leather bating, textile designing, cheese manufacture, chill proofing; of bear and detergent industry. The current foreign exchange spent is estimated at Rs. 7.5 crores annually and indigenous production is worth about Rs. 5 crores.

(c) No proposal is pending with the Government.

Development of Indigenous Light Transport Air Craft

524. DR. NAUNIHAL SINGH : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that Government have cleared a project for development of indigenous light transport aircraft; and

(b) if so, what are the details thereof ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECH NOLOGY, DEPARTMENT OF ELEC TRONICS ANI) DEPARTMENT OF OCEAN DEVELOPMENT. AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM) : (a)' and (b) Under the Integrated Lena Term Programme (ILTP) of collaboration in Science and Technology agreed to by the Governments of India and Russia, Notional Aerospace Laboratories (NAL),. Bangalore is collaborating with the Myasishchev Design Bureau (MDB) of Russia for the development of Light Transport Aircraft (LTA).' The understanding with Myasishchev Design Bureau (MDB) of Russia for collaboration on the development of LTA is chiefly, on a work-sharing basis.

Programme for Launching PSLV

525. SHRI SHIV PRATAP MISHRA : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that India's next PSLV (Polar Satellite Launch Vehicle) is likely to be launched within the next two years, aur

(b) if so, the measures Government propose to take to speed up the programme ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) The first development fight of PSLV is planned in second half of 1993. The second development fight is scheduled one year after the first fight.

(b) Does not arise.

Utilisation of "GRAMSAT" Satellite

526. SHRI S. S. AHLUWALIA : Will the PRIME Ml MISTER be pleased *to* state :

(a) whether it is a fact that the Space Commission is looking for users for its "GRAMSAT" Satellite devoted exclusively to rural education in the country;

(b) if so, what are the details thereof;

(c) whether Government propose to make use of the Satellite on Doordarshan network in the country:

(d) if not, the reasons therefor; and

(e) the manner in which Government propose to make use of the Satellite lying idle with the Space Commission ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) to (e) The Indian Space Research Organisation (ISRO) has envisaged a concept of a dedicated satellite "GRAMSAT" that could be launched by ISRO's Geosynchronous Satellite Launch Vehicle (GSLV). The salient features of the satellite are its compatibility with GSLV and a configuration, that would be suitable for transmitting signals for reception directly by augmented TV receivers and also for terrestrial rebroadcasting. The satellite could be used for eradicating illiteracy in rural areas and for lural development through audio visual education in health, hygiene, better agricultural practices, family planning etc., in the local language taking into consideration, local speoiuc and culture sr«ific requirements of each region. Tie proposal is yet to be considcted by the Govenment.

Department of Space (DOS) has in parallel initiated necessary discussions with user agencies, such as, Ministries of information and Broadcasting, Human Resources Development, Education, Rural Development, etc., to crimise the utility and usability of the satellite for the programmes rod also to examine the development or infarasturacture necessary before a GRAMSAI sould be launched.

12 00 NOON

Homage *to* Oliver Tambo and Carte Hany. Leaders of African National Congress

MR.. CHAIRMAN : hon. Members, I have to make a reference from the Chair, this House notes with anguish the sad demise of Oliver Tambo and the dastardly assassination of Chris Hany, two towering personalities of the African National Congress. Oliver Tambo ably led the people of South Africa in their struggle against the racist resime during the long incarceration of Nelson Mandela. Chris Hany was the General Secretary of the Communist Party of South Africa which is a component of the South African people's struggle under the leadership of the African National Congress. This House pays homage to the departed leaders and wishes the people of South Africa success in their struggle against the apartheid regime, a struggle with which India has been associated since the days of Mahatma Gandki.

Report and Accounts (1991-92) of the Paradeep Phosphates Limited, Bhabanex- war, said related, papers

PAPERS LAID ON THE TABLE

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI EDUARDO FALEIRO) : Sir. I lav on the Table—

I. A copy each (in English and Hindi) of the following papers, under sub-section (1) of section 619A of the Companies Act, 1956

(i) Tenth Annual Report and Accounts of the Paradeep Phosphates limited, Bhubaneswar. for In the year 1991-93, together with the Auditors' Report on the Accounts and the comments of the Comptroller and Auditor General of India thereon.

(ii) Review by Government on the working if the above Company.

II. Statement (in English and Hindi) giving reasons for the delay in laying the papers mentioned at (I) above.